

flats south of Fall Creek, Ithaca, July 9, 1913, *Palmer*, no. 173; Taughannock Ravine, Ulysses, June 27, 1916, *Metcalf*, no. 5878. ONTARIO: St. Thomas, July 3, 1898, *G. L. Fisher*. OHIO: Rocky River, July 13, 1896, *Greenman*, no. 3200. MICHIGAN: border of Burt Lake, Cheboygan Co., July 28, 1917, *Ehlers*, no. 557; damp low woods, Ann Arbor, June 29, 1838, *Houghton*. WISCONSIN: River Falls, August, 1903, *Powell*.

As stated, all the material examined from south of the above area is typical *A. Hystrix* with glabrous spikelets. It may be of service to others to have a record of the more northern stations for the plant with glabrous spikelets, as follows; and it will be noted that in every case these stations are different from those of var. *Bigeloviana* and decidedly more numerous in southern New England.

MAINE: wooded brooksides and gulleys in clay terraces of the Kennebec, Sidney, *Fernald & Long*, no. 12,749; Pittston, *Reynolds*. NEW HAMPSHIRE: sandy river-terraces of the Pemigewasset, Plymouth, *Fernald*, no. 11,569. VERMONT: dry woods, Shoreham, *Cushman*, no. 6269; ledgy woods, East Jamaica, *Wheeler*; Brattleboro, *Churchill*; Manchester, *Day*, no. 273. MASSACHUSETTS: Essex, *Eaton*; moist woods, West Boxford, *Horner*; Georgetown, *Horner*; rocky woods, Waltham, *Pease*, no. 11,388; rich woods, Oak Island, *Young et al.*; rocky woods, Brookline, *Forbes*; rock, Wellesley, *Wiegand*; Needham, *Fuller*; Dover, *Fuller*; woods near the Mountain House, Mt. Wachusett, *Collins*; rocky wooded hillside, Middlefield, *Fernald & Long*, no. 8825; Stockbridge, *Hoffmann*; wet woods, Sheffield, *Churchill*. CONNECTICUT: West Hartford, *Driggs*; not rare in shade, Southington, *Andrews*; Roaring Brook, *Eaton*; Norwich, *Rogers*; rocky woods, Danbury, *Harger*. NEW YORK: Canton, *Phelps*; western N. Y., *Gray*, N. A. Gram. Cyp., no. 130; dry woods, Ithaca, *Metcalf*, no. 5876. ONTARIO: Battersea, *Fowler*.

GRAY HERBARIUM.

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## REPORTS ON THE FLORA OF THE BOSTON DISTRICT,—XXXVII.

### DIAPENSIACEAE.

#### GALAX.

*G. APHYLLA* L. Two clumps in oak woods, Swampscott (*Miss M. E. Ward*, Dec. 5, 1918. See *RHODORA* xxi. 24, 1919). Specimen in herb. N. E. Botanical Club.

## PLUMBAGINACEAE.

## LIMONIUM.

**L. trichogonum** Blake. (*L. carolinianum* of Gray's Manual, 7th edition. See Blake, RHODORA xviii. 61-62, 1916.) Salt marshes, common from Salisbury to Duxbury.

## PRIMULACEAE.

## ANAGALLIS.

**A. ARVENSIS** L. Sandy soil near the seashore, sometimes in gardens; rather common.

## GLAUX.

**G. maritima** L. Salt marshes and sandy places close to the sea, rare; Ipswich, Rockport, Somerville, Medford.

**G. maritima** L., var. **obtusifolia** Fernald. Salt marshes, occasional north of Boston.

## HOTTONIA.

**H. inflata** Ell. Ditches and shallow stagnant water; frequent near the coast.

## LYSIMACHIA.

**L. NUMMULARIA** L. Dooryards and moist places, a frequent escape.

× **L. producta** (Gray) Fernald. Open woods and wet sandy places; Georgetown, Westford, Revere, Wellesley, Holbrook, Halifax.

[**L. PUNCTATA** L. Whitman and Brockton Heights, according to Arthur Clark, RHODORA iii. 201, 1901.]

**L. quadrifolia** L. Dry open woods and hillsides, very common throughout.

**L. terrestris** (L.) BSP. Swamps and low ground, common throughout.

**L. thyrsiflora** L. Swamps; frequent in Essex, eastern Middlesex and northern Norfolk counties; no reports from northwestern, southwestern or southeastern towns.

**L. VULGARIS** L. Persistent in old gardens and sometimes escaping

## PRIMULA.

**P. VERIS** Willd. Braintree (*W. H. Manning*, May 8, 1886; *L. L. Dame*, 1887). Specimens in herb. N. E. Botanical Club.

## SAMOLUS.

**S. floribundus** HBK. Brackish marshes and meadows near the sea; occasional in Essex county, rare elsewhere.

## STEIRONEMA.

**S. ciliatum** (L.) Raf. Moist rich soil, occasional north of Boston; Hingham, according to Bouvé, Botany of Hingham, in History of Hingham I, Part 1, 1893.

**S. lanceolatum** (Walt.) Gray. Meadows and pastures; frequent throughout, except along the South Shore below Weymouth.

## TRIENTALIS.

**T. borealis** Raf. (*T. americana* (Pers.) Pursh. See Blanchard, RHODORA xi. 236, 1909.) Woods in acid soil, common.

## EBENACEAE.

## DIOSPYROS.

**D. VIRGINIANA** L. Old pasture, Waltham (*G. E. Morris*, Dec. 1, 1915.) Specimens in herb. N. E. Botanical Club.

## OLEACEAE.

## FRAXINUS.

**F. americana** L. Woods, common throughout.

**F. americana** L., forma **iodocarpa** Fernald. See RHODORA xiv. 192, 1912. Winchester, two stations; Sherborn; probably elsewhere.

**F. nigra** Marsh. Wet woods and swamps, frequent.

**F. pennsylvanica** Marsh. Riverbanks, especially along the Merrimac, and other moist places; rare or absent in southern towns.

## LIGUSTRUM.

**L. VULGARE** L. Thickets, rocky woods and pastures; frequent, especially near Boston.

## SYRINGA.

**S. PERSICA** L. Persistent by roadside near old garden, Sudbury (*A. H. Moore*, May 28, 1905). Specimens in Gray Herb. and herb. N. E. Botanical Club.

**S. VULGARIS** L. Persistent and spreading throughout.

## GENTIANACEAE.

## BARTONIA.

**B. paniculata** (Michx.) Robinson. Swampy places in Blue Hill Reservation and vicinity, rare.

**B. virginica** (L.) BSP. Meadows and wet places; frequent, but unevenly distributed. Collected in Boston in 1830 by Francis Boott.

[*Centaurium umbellatum* Gilib. One station at Concord, 1890, not persistent, reported by A. W. Hosmer as *Erythraea Centaurium* Pers. in RHODORA i. 224, 1899.]

## GENTIANA.

**G. Andrewsii** Griseb. Moist soil, occasional, but no reports from southeastern towns.

**G. clausa** Raf. See Fernald, RHODORA xix. 147-149, 1917. Occasional from Winchester, Concord and Sherborn north.

**G. crinita** Froel. Fields and meadows, well distributed throughout but becoming rare. Pink and white forms are occasional.

## MENYANTHES.

**M. trifoliata** L. Peat-bogs and swamps; frequent from Hingham and Needham north.

## NYMPHOIDES.

**N. aquaticum** (Walt.) Fernald. Small pond, Wellesley (*K. M. Wiegand*, Aug. 28, 1912). Specimen in herb. Wellesley College.

**N. lacunosum** (Vent.) Fernald. Quiet water, frequent.

## SABATIA.

**S. ANGULARIS** (L.) Pursh. Moist sandy loam in mowing field, Salisbury (*Eben True*, Sept. 22, 1885). Specimen in herb. Peabody Acad. Sci. under the name of *S. stellaris* Pursh. See Fernald, RHO-

DORA xviii. 147, 1916. There is no specimen to verify the report of *S. stellaris* at Amesbury (*J. H. Sears*, RHODORA x. 43, 1908) but it is probably this plant also.

**S. campanulata** (L.) Torr. (*S. gracilis* (Michx.) Salisb. See Fernald, RHODORA xviii. 145, 1916.) Pembroke (*W. L. Foster*, Sept. 10, 1884). Specimen in Gray Herb. In RHODORA i. 224, 1899, A. W. Hosmer records this as found at one station in Concord, 1897. This record is doubtful, for no specimen exists. The plant may have been introduced by Minot Pratt, whose work in introducing plants can be read in RHODORA i. 168, 1899.

**S. Kennedyana** Fernald. See RHODORA xviii. 150, 1916. (*S. dodecandra* of Gray's Manual, as to Massachusetts plant.) Great Pond, S. Weymouth (*G. E. Davenport*, Sept. 10, 1874 et al. to date); border of pond near shore, Scituate (*F. F. Forbes*, Sept. 20, 1914); Halifax, swamp by pond (*C. H. Knowlton*, *H. A. Purdie* & *W. P. Rich*, July 15, 1906).

**S. Kennedyana** Fernald, forma **candida** Fernald. See RHODORA xviii. 151, 1916. Weymouth (*Miss Underwood*, Aug. 8, 1905). Specimens in Gray Herb. See Dame & Collins, Fl. Middlesex Co., 80, 1888, under *S. chloroides*.

## APOCYNACEAE.

### AMSONIA.

**A. TABERNAEMONTANA** Walt. Back Bay waste lands, Boston (*E. F. Williams*, Aug. 12, 1903). Specimens in Gray Herb. See Rich, RHODORA x. 151, 1908.

### APOCYNUM.

**A. androsaemifolium** L. Dry soil, common.

**A. cannabinum** L. Wet sandy shores of streams and ponds, occasional.

**A. medium** Greene. Gravelly soil; Milton, Dorchester, Sharon, Needham, Wellesley, Natick, Framingham.

### VINCA.

**V. MINOR** L. Reported only from old Houghton place, Blue Hill Reservation (*E. F. Williams*, April 20, 1902). Doubtless escaped in many other places.

## ASCLEPIADACEAE.

## ASCLEPIAS.

**A. amplexicaulis** Sm. Dry sandy soil; well distributed from Dunstable to Duxbury, but seldom abundant.

**A. incarnata** L., var. **pulchra** (Ehrh.) Pers. Low grounds and margins of ponds, common.

**A. phytolaccoides** Pursh. Open woods and dry places; well distributed but not abundant.

**A. purpurascens** L. Dry open ground; apparently frequent from Braintree and the Blue Hills northward.

**A. quadrifolia** Jacq. Dry open woods; frequent from Hingham and the Blue Hills northward.

**A. syriaca** L. Dry fields and roadsides, common throughout.

**A. syriaca** L., forma **inermis** Churchill. Prospect Hill, Waltham (*W. Deane*, Aug. 13, 1910); Dedham (*S. Harris*, Sept. 27, 1896). See RHODORA xx. 206-7, 1918.

**A. tuberosa** L. Dry sandy soil, rare; Haverhill, Danvers, Beverly, Westford, Bedford, Medfield; Hingham, according to Bouvé, Botany of Hingham, in History of Hingham, I, Part 1, 1893.

**A. verticillata** L. Dry rocky soil and exposed ledges, rare, at 14 stations, all within 15 miles of Boston.

## CYNANCHUM.

**C. NIGRUM** (L.) Pers. Escaped from cultivation at Newburyport, Medford, Cambridge, Watertown and Brighton.

C. H. KNOWLTON } *Committee on*  
WALTER DEANE } *Local Flora*

## A PRELIMINARY REPORT ON THE DESMIDS OF CONNECTICUT.

C. J. HYLANDER.

(Continued from page 224.)

## STAURASTRUM Meyen

\*\***S. ACICULIFERUM** (Borge) West. Hamden (*Carter*).

**S. ARCTISCON** (Ehrenb.) Lund. *Nova Acta Reg. Soc. Sci. Upsala*